

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :- Providing of Water supply UGD Security Room and other Developmental works to Vidyaranyapura Swimming Pool in ward no 09
Vidyaranyapura

Sl.No	Descriptions	Unit	No	Length	Breadth	Depth	Quantity	Amount in Rupees
1	Earth work excavation for foundation of structures by mechanical means as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - Marshy soil- (Page No 7 Item 2.23.4)	Cum						
	For sump tank		1	1	4	3	2.9	34.80
	Entery and sump tank area		1	1	13	13	1.9	321.10
								355.90
							Total Qty	355.90
	Basic rate	313						
	8% Weightage	25.04						
	Total	338.04					Amount	120308.436
2	KSRB 2.6 Providing and filling sand in foundtion to requeried depth to sub soil treatment including watering ,ramming with lead and lift complete as per specification Item no KBS 2.10.2 SR	Cum						
	For sump tank		1	1	4	3	0.15	1.80
	Entery and sump tank area		1	1	13	13	0.15	25.35
	For Paving concrete		1	1	55	1.2	0.15	9.90
	Basic rate	2060					Total Qty	37.05
	8% Weightage	164.8						
	Total	2224.8					Amount	82428.84
3	KSRB 2.5 Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in all layers not exceeding 20cms in depth compacting each deposited layer by ramming after watering with all lead left including cost of all labour complete as per specification No KBS 2.9.9/2.9.10.1/2.1.1	Cum						
	For sump tank		1	1	4	3	3.0	36.00
	Entery and sump tank area		1	1	13	13	2.0	338.00
	Deduction							
	Sump tank		-1	1	4	3	3	-36.00
	Entrey area		-1	1	13	13	0.6	-101.40
							Total Qty	236.60
	Basic rate	403						
	8% Weightage	32.24						
	Total	435.24					Amount	102977.784
4	KSRB 17.1 and 17.2 Transportation of excavated earth by mechanical means including loading and unloading with a lead of 20 kmtr and dispersing the same as directed.including all lead and lift complete as per the direction of engineer in charge	Cum						
	Qty. of item no.(1)							355.90
	Basic rate	57						
	Transport 2x20km	4						
	Total	61						
	8% Weightage	4.88						
	Total	65.88					Qty	23446.692

5	KSRB 2.8 Providing and filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification. including all lead and lift complete as per the direction of engineer in charge KBS 2.10.2	Cum								
			1	1	4	3	0.3	3.60		
	For sump tank		1	1	13	13	0.3	50.70		
	Entery and sump tank area		1	1	55	1.2	0.3	19.80		
	For Paving concrete									
	Basic rate	2429								
	8% Weightage	194.32								
	Total	2623.32							Amount	194388.012
6	KSRB 4.1.2 Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.including all lead and lift complete as per the direction of engineer in charge KBS 4.1and 4.2.	Cum								
			1	1	55	1.2	0.15	9.90		
	For Paving concrete		1	1	13	13	0.15	25.35		
	Entrance area and sump tank									
	Basic rate	5194								
	8% Weightage	415.52								
	Total	5609.52							Amount	197735.58
7	KSRB 4.2.2 Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M-20 for RCC Works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing main and secondary beams with all lead and lifts etc. compelte (exclusive of cost of steel and fabrication charges) including all lead and lift complete as per the direction of engineer in charge KBS 4.1 and 4.6									
			1	1	4	3	0.15	1.80		
	for sump tank		1	1	55	1.2	0.15	9.90		
	For Paving concrete		1	1	13	13	0.15	25.35		
	Entrance									
	Basic rate	5659								
	8% Weightage	452.72								
	Total	6111.72							Amount	226439.226
8	KSRB 4.2.7Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixedf concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(exclusive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25(for Side Walls and Bottom) including all lead and lift complete as per the direction of engineer in charge KBS4.1 and 4.6	Cum								
	For sump tank		1	1	4.0	3.0	0.45	5.40		
	base		1	1	14	0.25	2.5	8.75		
	side walls		1	3	4.0	3.0	0.2	7.20		
	slab		1	2	14.0	0.2	0.45	2.52		
	Roof beam		1	1	14.0	0.2	0.6	1.68		
	beams above sump tank		1	1	14.0	0.2	0.15	0.42		
	lintels		1	4	0.3	0.3	6.2	2.23		
	Columns									
	Basic rate	6045								
	8% Weightage	483.6								
	Total	6528.6							Amount	184119.58
9	KSRB 4.6.4 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as Walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. including all lead and lift complete as per the direction of engineer in charge KBS 4.6.2	Sqm								
	Sump tank		1	2	14		3	84.00		

		Basic rate	358					Total Qty		
		8% Weightage	28.64							
		Total	386.64							
									Amount	32477.76
10	KSRB 4.6.5 Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge. including all lead and lift complete as per the direction of engineer in charge KMS 4.6.2	Sqm								
	sump tank columns			1	4	1.8		6.20	44.64	
		Basic rate	358					Total Qty		
		8% Weightage	28.64							
		Total	386.64							17259.61
11	KSRB 4.6.7 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels exceeding 1 m in depth including cost of all materials, labour complete as per specifications. including all lead and lift complete as per the direction of engineer in charge KBS 4.6.2	Sqm								
	Sump tank beams			1	2	14		0.5	14.00	
		Basic rate	403					Total Qty		
		8% Weightage	32.24							
		Total	435.24						Amount	6093.36
12	KSRB 4.6.3 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.50m from Ground level including all lead and lift complete as per the direction of engineer in charge KBS 4.6.2	Sqm								
	sump tank Roofs			1	3	4		3	36.00	
		Basic rate	440					Total Qty	36.00	
		8% Weightage	35.2							
		Total	475.2						Amount	17107.2
13	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. including all lead and lift complete as per the direction of engineer in charge Page no 299 item no 38.30									
	compound wall		1	39.2	3				117.60	
		Basic rate	688					Total Qty	117.60	
		8% Weightage	55.04							
		Total	743.04						Amount	87381.504
14	KSRB 15.3 Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as eper spec ifications including all lead and lift complete as per the direction of engineer in charge KSRB 15.3.10									
	Sump tank			1	2	14		2.5	70.00	
		Basic rate	289					Total Qty		
		8% Weightage	23.12							
		Total	312.12						Amount	21848.4
15	KSRB 15.4 Extra for providing and mixing Waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications.including all lead and lift complete as per the direction of engineer in charge	Sqm								

same as Qty of item no 14 and 16							130.48	
						Total Qty	130.48	
	Basic rate	235						
	8% Weightage	18.8						
	Total	253.8						
							Amount	33115.824
15	KSRB15.3 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge. For Outside Plastering including all lead and lift complete as per the direction of engineer in charge KSRB15.3.8		Sqm					
	security room		1	1	14	3.15	0	
	sump tank		1	1	14	3.15	44.1	
	sump tank Coloumns		1	4	1.3	3.15	16.38	
						Total Qty	60.48	
	Deduction for oprings							
	Basic rate	261						
	8% Weightage	20.88						
	Total	281.88					Amount	17048.1024
17	KSRB 15.3. Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to to brick masonry ncluding rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials,labour, curing complete as per specifications. .including all lead and lift complete as per the direction of engineer in charge KSRB15.3.1		Sq.m					
	Security room		1	1	13.2	3.0	39.60	
						Total Qty	39.60	
	Basic rate	211						
	8% Weightage	16.88						
	Total	227.88					Amount	9024.048
18	KSRB 14.7.1 Providing and laying M-15 cement concrete flooring, 60mm thick with metallic concrete hardner topping under layer of 45mm thick M-15 cement concrete using broken granite metal of 20mm and down size, and top layer 15mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt), including finishing cost of materials, labour, curing complete as per specifications. including all lead and lift complete as per the direction of engineer in charge KBS14.3page no 103		Sqm					
	Sump tank Bottom and flooring		1	2	4.0	3.0	12.00	
						Total Qty	12.00	
	Basic rate	239						
	8% Weightage	19.12						
	Total	258.12					Amount	3097.44
19	KSRB 14.61 Providing and laying Flooring using pre polished water cut/gang saw 19mm thick grey granite laid over bed of 20mm thick 1:4 cm and jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface and cleaning the surface including the cost of all materials and labours etc. complete as per specifications. including all lead and lift complete as per the direction of engineer in charge KSRB 14.61 page no 112		Sqm					
	Gallery							
	Trid		2	5	22.65	1.05	237.83	
	Front comidar portion		2	5	22.65	0.45	101.93	
			2	1	5	1.2	12.00	
			2	2	18.2	1.5	109.20	
	Stairtug		1	2	22.65	0.13	5.89	
	for stair case		1	8	0.25	0.13	0.26	
	Roovers		2	22	1.5	0.25	16.50	
	Trid		2	20	1.5	0.3	18.00	
	landing		2	1	1.8	2.3	8.28	
			1	2	4	0.1	0.80	
	Staircase rest room sides						0.00	
	Trid		1	2	2.25	1.2	5.40	
			2	17	1.1	0.3	11.22	

	Risers		2	19	1.1	0.15		6.27	
	landing		1	2	1.6	2.25		7.20	
	skirting		1	2	3.9	0.1		0.78	
			1	2	3.9	0.1		0.78	
			1	2	2.5	0.1		0.50	
			1	2	9.05	0.25		4.53	
							Total Qty	547.35	
	Basic rate	2051							
	8% Weightage	164.08						Amount	1212432.90
	Total	2215.08							
20	Providing ACE paint to external walls of approved colour and shade over prime's coat after brooming & cleaning the surface and applying two coats of ACE paint with cost of all material, labour, lead lift with loading unloading etc. complete as per direction of Engineer in charge of work. (Approved rates) including all lead and lift complete as per the direction of engineer in charge	Sqm							
	Qty same as item no 15						Total Qty	60.48	
	Approved RATE	160							
								Amount	9676.8
21	KSRB.15.106 Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers including cost of all materials cost of labour and scaffolding etc complete as per the specifications including all lead and lift complete as per the direction of engineer in charge	Sqm							
	Qty same as item no 17						Total Qty	39.60	
	Basic rate	78							
	8% Weightage	6.24							
	Total	84.24						Amount	3335.904
22	KSRB15.15.1.1 Providing and applying painting in two coats with plastic Emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge with primer including all lead and lift complete as per the direction of engineer in charge	Sqm							
	Qty same as item no 21						Total Qty	39.60	
	Basic rate	87							
	8% Weightage	6.96							
	Total	93.96						Amount	3720.816
23	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications Pg No 32, Item No 7.9	Sqm							
	Change room Windows		2	12	0.75	0.60		10.80	
	V		2	4	1.50	0.60		7.20	
	W		2	2	1.80	1.60		11.52	
	office room		1	6	1.50	1.20		10.80	
	Security room		1	1	1.80	0.9		1.62	
	Window		1	2	0.90	0.9		1.62	
	21Kg/sqm							43.56	
							Total Qty	914.76	
	Basic rate	95							
	8% Weightage	7.6							
	Total	102.6						Amount	93854.376

24	KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. TMT Bars Fe 500 including all lead and lift complete as per the direction of engineer in charge KBS 4.6.3	Tonne							
	0.05% Of Concrete	65.25	0.005				Total Qty	2.56	
								Amount	196206.7968
	Basic rate	70966							
	8% Weightage	5677.28							
	Total	76643.28							
25	KSRB 5.14 Providing and constructing precast concrete Solid Blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size 40x15x20cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications. including all lead and lift complete as per the direction of engineer in charge KBS 5.4	Sqm							
	Security room		1	1	14		3.0	42.00	
								42.00	
	Security room openings								
	Doors		1	1	0.9		2.1	1.89	
	Windows		1	2	0.9		1.2	2.16	
								4.05	
							Total Qty	37.95	
	Basic rate	953							
	8% Weightage	76.24						Amount	39059.658
	Total	1029.24							
25	KSRB 7.26 Supplying and fixing Pressed steel door frames size 125x65mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door oprnings abd shutter made out of seasoned honned wood style of 30mm thick with rail of 160mm width top and side rails of 250mm width panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide rasin and the shutter be root proof1 heat resistant guaranted against shrinkage warpage and such other defects for a period of 3years .This shall be as per approved drawings and specification and direction including cost of conveyance manufacturing ,painting with enamel paints 2 coats of over prime coat cost of labour for all items of works ,machinery equipment and all other incidental charges with lead ,lift loading and unloading etc .The Hollow portion of the frame to be filled to be filled with cement concrete 1:2:4 KSRB page no 42								
			1	1	3		3	9.00	
			1	1	2.45		3	7.35	
			1	1	0.9		2.1	1.89	
							Total Qty	18.24	
	Basic rate	3210							
	8% Weightage	256.8							
	Total	3466.8						Amount	63234.432
27	supply portable water for intial filling of main pool and baby pool ,balancing tank	Ltr							
		1	4E+06				Total Qty	4000000.00	
								Amount	400000
	Rate /l	0.1							
28	supply of imporated chlorine granul for intial prepration and super chlorination and maintanance for one month	Kgs							
	MAIN POOL	2	200					400.00	

						Total Qty	400.00	
			600				Amount	240000
29	KSRB 37.2 Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) KSRB 37.2, Page 266, Item No 37.2)							
	For Electrical sub staion		1	6		3	18.00	
	Basic rate	859				Total Qty	18.00	
	8% Weightage	68.72					Amount	16698.96
	Total	927.72						
30	KSRB 37. 3 Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint KSRB 37.2, Page 266, Item No 37.2)							
	Electrical sub station		1	8		2	16	
	Basic rate	715				Total Qty	16	
	8% Weightage	57.2					Amount	12355.2
	Total	772.2						
31	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint							
	Electrical sub station		1	2		8	16	
	Basic rate	408				Total Qty	16	
	8% Weightage	32.64					Amount	7050.24
	Total	440.64						
32	Submersible pump for sump Tank Mano black pump 2HP Item no 21 Page XLIII							
			1	3			3.00	
	Basic rate	17329				Total Qty	3.00	
	8% Weightage	1386.32					Amount	56145.96
	Total	18715.32						
33	KSRB 13.876 Providing & fixing Chorinated Poly Venyl(CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete.including all lead and lift complete as per the direction of engineer in charge 40mmm Dia	Mtr						
	Bore wells		1	3	35		105.00	
	Basic rate	432						
	8% Weightage	34.56					Amount	48988.8
	Total	466.56						
34	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-B.3C X 4.0Sq.mm.Electrical CSR Page no 12/2.11.3 CSR 2014-15	Mtrs						

	Rate/Mtr	114.60			Total Qty	325	
						Amount	37243.908
35	Supplying of LED Floodlight with W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions	Nos					
		24406.91			Total Qty	28	
	Rate /No	24406.91				Amount	683393.4912
36	Supplying and fixing of Metal Socket set of 2pole and earth plugs and socket for incorporating SP and TP MCB (Without MCB). The entire plug and socket shall be mounted in a thermoplastic / powder coated metal box & wired Completely. TP & N 30Am .Electrical CSR Page no 50/6.43.4 CSR 2014-15	Nos					
	Rate /No	1670.81			Total Qty	2	3341.6256
						Total	4503037.26
						12% of GST	540364.4713
	Miscellaneous						6598.27
						Total amount	5050000.00

SR 2018-19 PWD, Ports, Inland Water Transfer Department Bangalore Circle
Electrical CSR 2014-15

K. Sundares
Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

H. V. S. Srinivas
Executive Engineer 7/11/19
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Administrative Approval
Accorded For *Rs. 50.20 Lakhs*
Head of A/C *P-0190*
CER NO : *34* Dt: *13/12/19*
E.E. (Project)

Technical Sanction
Accorded For *Rs. 50.20 Lakhs*
Head of A/C *P-0190*
CER NO : *178* Dt: *06.11.2019*

[Signature]
TA - CE (TNN)